

1. (Once Amended) An alternating current (AC) generator comprising a stator and a rotor, said rotor comprising a plurality of pole pairs, said stator comprising a first winding wound in a full pitch pattern with at least one complete loop surrounding a first predetermined number of teeth of said stator and a second winding wound in a short pitch pattern with at least one complete loop surrounding a second predetermined number of said teeth, said first predetermined number being different than said second predetermined number.

6. (Once Amended) A stator for an alternating current generator, said generator having a rotor with poles, comprising:

a substantially annular body portion;
a plurality of teeth extending radially inwardly from said annular body portion;
a plurality of slots defined between said teeth;
at least two windings wound around said teeth and inserted into said slots,
wherein the number of stator slots is equal to $2 \times n \times p$, where p is the number of electrical phases per winding, and n is the number of rotor pole pairs, and
wherein a first one of said windings being wound in a full pitch pattern with at least one complete loop surrounding a first predetermined number of teeth of said stator and a second one of said windings being wound in a short pitch pattern with at least one complete loop surrounding a second predetermined number of said teeth, said first predetermined number being different than said second predetermined number.

11. (Once Amended) A stator for an alternating current generator comprising at least a pair of multi-phase windings, one of the windings being a wye type winding and the other one of the windings being a delta type winding wherein one of the windings is a full pitch winding with at least one complete loop surrounding a first predetermined number of teeth of said stator and the other one of the windings is a short pitch winding with at least one complete loop surrounding a second predetermined number of said teeth, said first predetermined number being different than said second predetermined number.